

# **Update on the District of Columbia's WIP for the Chesapeake Bay TMDL**

DDOE

EPA Webinar

August 19<sup>th</sup>, 2010



# Timeline

- **Draft WIP due to EPA on September 01, 2010**

**D.C. has met with major stakeholders on load allocation and the WIP is currently undergoing internal review**

- **D.C. Stakeholder Meeting on August 25<sup>th</sup>, 2010**

**Will be held at the Metroplitan Washington Council of Governments Training Center in Washington, D.C. from 2:00-4:00 P.M.**

- **D.C. Public Meeting on September 29<sup>th</sup>, 2010**

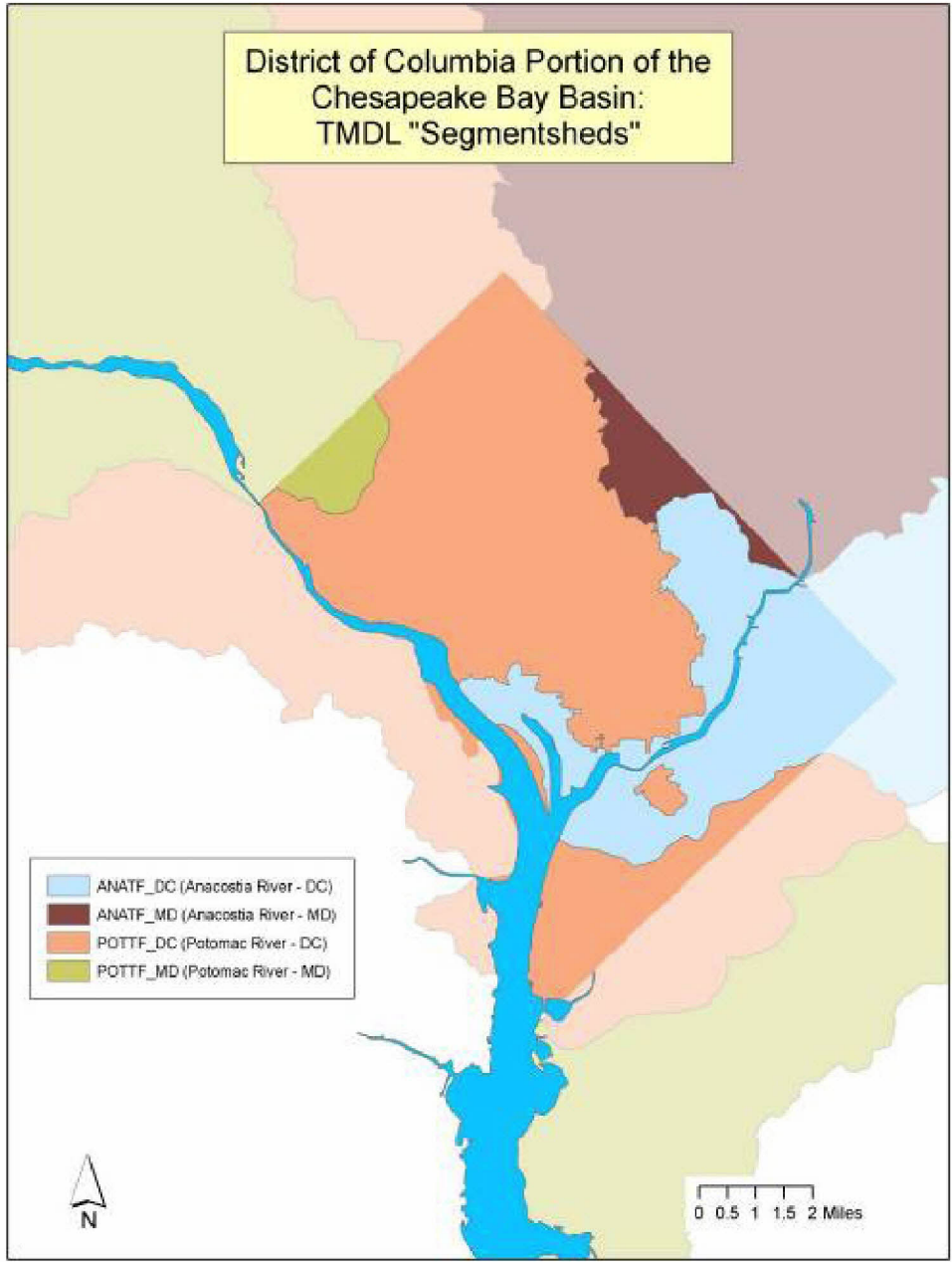
**Will be held at the National Zoo Visitor Center in Washington , D.C. from 9A.M.-12:30P.M.**

- **Final Phase 1 WIP due to EPA on November 29<sup>th</sup>,2010**



# **D.C. Water Quality Issues**

- **The sections of the Potomac and Anacostia Rivers that lie within the District's boundaries carry pollution from other jurisdictions**
- **D.C. is a totally permitted urban area; therefore our focus is primarily on sources such as: municipal waste water treatment plants (WWTP), CSOs and stormwater runoff**





# **DC Water Quality Issues**

- **The Potomac River is the main water body in D.C.**
  - **The Potomac receives runoff from five jurisdictions: D.C., Virginia, Maryland, West Virginia and Pennsylvania**
  - **0.5% of the Potomac watershed lies within D.C.**
- **The Anacostia River is one of the most polluted tributaries in the Chesapeake Bay Watershed**
  - **82% of the Anacostia watershed lies within Maryland, 18% in D.C.**

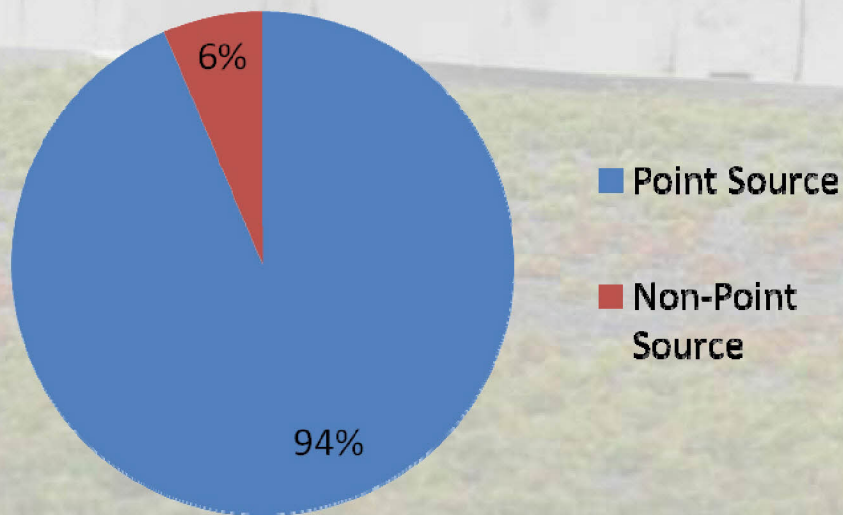
# Allocations

- **Phase 1**
  - **DC lies entirely within the Potomac Basin and therefore was issued one state-basin allocation for both Nitrogen and Phosphorous that will be allocated among different source sectors:**
    - **Blue Plains**
    - **CSOs**
    - **MS4**
    - **Other facilities**

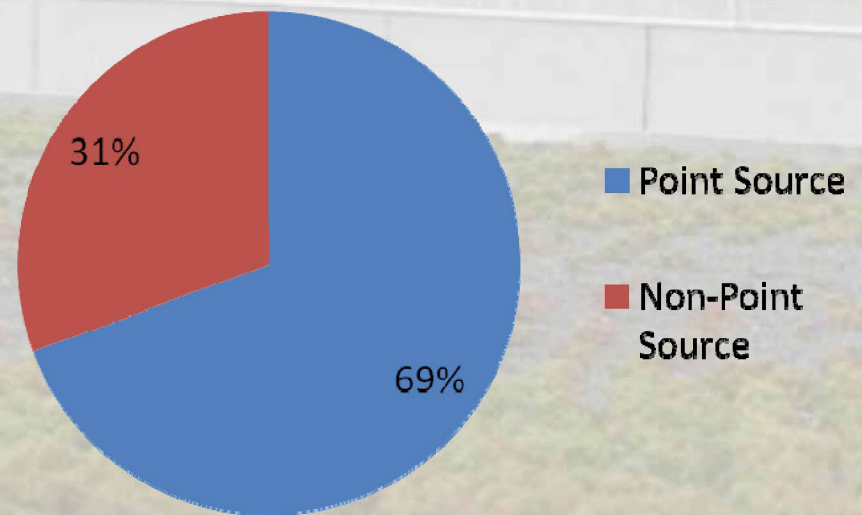


# Nutrient Sources in D.C.

## Nitrogen



## Phosphorous



Point Sources include WWTP and CSOs

Non-Point Sources include urban run-off, forest and atmospheric deposition

Values derived from March 2010 Phase 5.3 Model Run

# **D.C.'s Path to Progress**

- **DC Water (DC WASA) has Developed and is Implementing**
  - **Enhanced Nitrogen Removal for the Blue Plains WWTP (cost: approximately 1 billion dollars)**
  - **Long Term Control Plan for CSOs (cost: approximately 2.2 billion dollars)**
- **Stormwater Management Regulations and MS4 Permit**
  - **One of the most aggressive in the country**
  - **Permit is expected to be revised in the near future**



# **D.C.'s Path to Progress**

- **Partnership with Federal Facilities**
  - D.C. is working toward developing a Federal partnership framework that will facilitate implementation and tracking of restoration efforts in the District
- **Stormwater Regulations**
  - D.C. is developing new regulations which will put in place the framework to implement WIP requirements

## **2 Year Milestone Accomplishments**

- **DDOT planted 4,150 trees in 2009, which helps to increase urban tree canopy coverage by 5 percent (from 35 percent to 40 percent) in 25 years.**
- **The “RiverSmart Rooftops” program offers a rebate of \$5/sq ft. Since the start of the program 1 year ago 15 green roofs covering 113,000 sq ft have been installed.**
- **DDOE has installed 400 rain barrels on residential properties**
- **In 2009 DDOE initiated and held a full day workshop with 5 federal agencies to explore creative ways to implement the Energy Independence and Security Act (EISA)**
- **DDOE held two training workshops on source controls (pollution prevention) to all its sister agencies in 2009 and 2010**



## **2 Year Milestone Accomplishments**

- **DDOE has conducted 266 facility inspections including: 179 Auto shops, 74 Dry cleaners/Laundromats & 13 car washes**
- **DDOE developed an aggressive Pet Waste Strategy in 2009 and will begin marketing it this calendar year with schools, parks and riparian communities**
- **Watts Branch designs are pending final approval. Construction will begin on the stream restoration in late 2010; sewer line work will be concurrent with construction work.**
- **Pope branch designs for stream restoration and sewer replacement is scheduled to be complete in October of 2010. Construction will begin shortly thereafter.**
- **DDOE and DC Water began charging an impervious stormwater fee in May 2009**

# Questions

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# Questions & Comments



# Thank you for your participation!



**That concludes today's webinar.**